

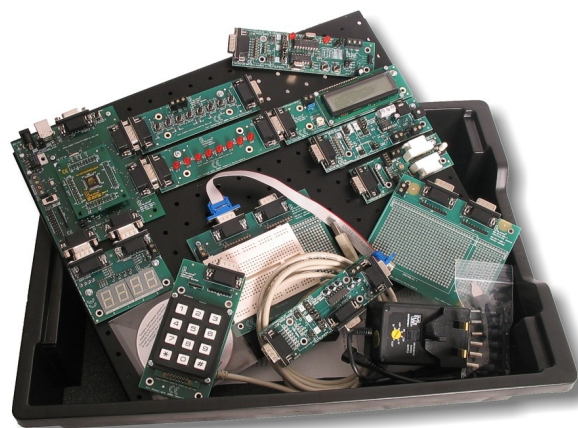
Deluxe ARM starter pack

What does it do?

Provides a selection of E-blocks™ that can be used for a wide range of applications in microcontroller programming: both for learning and for projects.

Benefits

- Can be used with a wide range of students - from technician to post-graduate
- Can be used across many subjects in Engineering and Computer Science
- Saves a great deal of time in project construction
- Can be combined with our courseware to provide a complete solution to learning ARM programming



Features

- Includes an ARM programming board
- Include utility software for downloading code
- A comprehensive course with compilers and IDEs is available
- Supplied in rugged storage trays with cables, backplane and accessories.

Description

The E-blocks deluxe ARM starter pack contains a range of E-blocks boards that can be snapped together to form a wide number of electronic systems: from a simple light chaser to an infrared communication based on the IrDA protocol. The deluxe starter kit which includes an ARM microcontroller programmer, switch and LED boards, display boards – both quad 7-segment and LCD – prototyping boards, and communications boards such as the IrDA board and the RS232 board. This kit can be extended by adding further items from our range of E-blocks boards and sensors. Once your system is built from E-blocks you can mount it on the metal backplane supplied with the kit. The resulting system can then be screwed down – for those who require a permanently built system to work from – or can be easily dismantled ready for subsequent projects and investigations. The E-blocks leads and accessories are shipped in rugged plastic trays which are convenient for storage and transport between labs.

The ARM device used is the Atmel AT91SAM7S128 based on the ARM 7 core. This is a 32 bit flash RISC device (programmed by USB) with an internal 32 x 8 multiplier and many internal peripherals including USART, SPI, TWI and SSC serial communication, 10-bit ADC, USB and PWM outputs. The ARM microcontroller is mounted on a small daughter board which makes it suitable for project work.

A complete course in programming the ARM microcontroller in C (including IDE and C compiler) is also available.

Learning time

Not applicable: learning time is dictated by the CD ROM based course 'C for ARM microcontrollers' which will give around 40 hours of learning time.

Prerequisites

Some programming in Windows or an embedded environment.

Manual

An E-blocks user's guide is available electronically.

System requirements

PC with CD ROM drive and Windows 98 or greater.

Further information

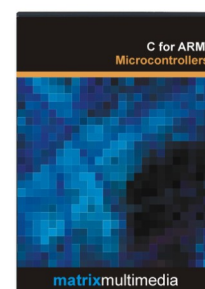
A separate datasheet is available for each of the E-blocks boards included in the pack. Please see our web site for details.

Order code

The order code for this product is EB131.

Also consider

Our complete course in programming the ARM in C. This includes a full IDE and compiler.



Deluxe ARM starter pack

Pack contents

The table below gives a list of the pack contents. Datasheets on any individual item are available on request.

Qty	Code	Description
1	BPA3	Backplane - A3
1	EB216	Pack of 100 M3 anti-slip nuts
1	EB217	Pack of 100 M3 12mm pozi head screws
1	EB251	Male to Male IDC connector
1	EB355	E Blocks User Guide
1	EB634	E-blocks IDC cable
1	EBPUB	E-blocks publicity sheet
1	ELSAM	ELSAM mini CD ROM
1	HP2045	Shallow plastic tray
1	HP4039	Lid for plastic trays
1	HP4039	Lid for plastic trays
1	HP5328	International power supply with adaptors
1	HP9734	Cardboard box for trays
1	HPUSB	USB lead
2	EB00200	E-blocks screw terminal board
2	EB00300	E-blocks sensor interface
2	EB00400	E-Blocks LED board
2	EB00500	E-Blocks LCD board
2	EB00700	E-Blocks Switch board
2	EB00800	E-Blocks Quad 7-segment display
2	EB01100	E-blocks power board
2	EB01200	E-blocks IR transmitter receiver
2	EB01300	E-blocks D/A and memory board
2	EB01400	E-blocks Keypad
2	EB01600	E-Blocks Prototype board
2	EB01700	E-blocks patch board
2	EB03900	E-blocks USB232 - board only
2	EB749	ARM baseboard and daughter board
2	HP2045	Shallow plastic tray
2	HP2642	Holed foam for E-blocks trays
2	HP9734	Cardboard box for trays